



Form 1449 (Modified)	Atty Docket No. PLUSP027	Application No.: 10/686,189
<b>Information Disclosure Statement By Applicant</b>	Applicant: Visco, et al.	
(Use Several Sheets if Necessary)	Filing Date October 14, 2003	Group 1745

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
GC	A1	5,648,187	07/15/97	Skotheim			
	A2	5,314,765	05/24/94	Bates			
	A3	4,981,672	01/01/91	De Neufville et al.			
	A4	6,025,094	02/2000	Visco, et al.			
	A5	5,342,710	08/30/94	Koksbang			
	A6	5,409,786	04/25/95	Bailey			
	A7	5,100,523	03/31/92	Helms et al.			
	A8	5,696,201	12/09/97	Cavalloni, et al.			
	A9	4,162,202	07/24/79	Dey			
	A10	5,455,126	10/03/95	Bates et al.			
	A11	5,338,625	08/16/94	Bates et al.			
	A12	5,597,660	01/28/97	Bates et al.			
	A13	5,612,152	03/18/97	Bates			
	A14	5,569,520	10/29/96	Bates			
	A15	5,512,147	04/30/96	Bates et al.			
	A16	5,567,210	10/22/96	Bates et al.			
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	A18	6,475,677 B1	11/05/02	Inda et al.			
	A19	6,485,622 B1	11/26/02	Fu			
	A20	6,315,881 B1	11/13/01	Fu			
	A21	6,030,909	02/29/00	Fu			
	A22	5,702,995	12/30/97	Fu			
	A23	4,985,317	01/15/91	Adachi et al.			
	A24	6,402,795 B1	06/11/02	Chu et al.			
	A25	6,214,061 B1	04/10/01	Visco et al.			
	A26	6,413,284 B1	07/02/02	Chu et al.			
	A27	5,686,201	11/11/97	Chu			
	A28	6,376,123	04/23/02	Chu			
	A29	6,413,285 B1	07/02/02	Chu et al.			
	A30	6,183,901 B1	02/06/01	Ying et al.			
	A31	6,432,584 B1	08/13/02	Visco et al.			
	A32	5,961,672	10/05/99	Skotheim et al.			
	A33	5,387,479	02/07/95	Koksbang			
GC	A34	5,336,384	08/09/94	Tsou et al.			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	October 14, 2003	1745

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No
GC	B1	0875951A1	11/04/98	EP				
GC	B2	0689260B1	04/21/99	EP				
GC	B3	0111214B1	11/23/83	EP				
	<del>B4</del>	<del>0111213A2</del>	<del>11/23/83</del>	<del>EP</del>				

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	C2	"R&D Thin Film Technology", 09-97, <u>R&amp;D Magazine</u>
	C3	Steven D. Jones, et al., "Thin film rechargeable Li batteries", 1994, <u>Solid State Ionics</u>
	C4	J.B. Bates, et al., "Thin-film rechargeable lithium batteries," 1995, <u>Journal of Power Sources</u>
	C5	N. J. Dudney, et al., "Sputtering of lithium compounds for preparation of electrolyte thin films," 1992, <u>Solid State Ionics</u>
	C6	J. B. Bates, et al., "Electrical properties of amorphous lithium electrolye thin films," 1992, <u>Solid State Ionics</u>
	C7	Xiaohua Yu, et al, "A Stable Thin-Film Lithium Electrolyte: Lithium Phosphorus Oxynitride," 02-97, <u>J. Electrochem. Soc.</u> , Vol 144, No. 2
	C8	Fu, Jie, "Fast Li <sup>+</sup> Ion Conduction in Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> Glass-Ceramics", Journal of the American Ceramics Society, Vol. 80, No. 7, July 1997, pp. 1-5.
	C9	Aono et al., "Ionic Conductivity of the Lithium Titanium Phosphate (Li <sub>1+x</sub> M <sub>x</sub> Ti <sub>2-x</sub> (PO <sub>4</sub> ) <sub>3</sub> , M = Al, Sc, Y, and La) Systems", Dept. of Industrial Chemistry, pp. 590-591.
	C10	Aono, Hiromichi, "High Li <sup>+</sup> Conducting Ceramics", Acc. Chem. Res. Vol. 27, No. 9, 1994, pp. 265-270.
	C11	Aono, et al., "Ionic Conductivity and Sinterability of Lithium Titanium Phosphate System", Solid State Ionics, 40/41 (1990), pp. 38-42.
↓	C12	Aono, et al., "Electrical properties and crystal structure of solid electrolyte based on lithium hafnium phosphate LiHf <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> ", Solid State Ionics 62 (1993), pp. 309-316.
GC	C13	Aono, et al., "Electrical property and sinterability of LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> mixed with lithium salt (Li <sub>3</sub> PO <sub>4</sub> or Li <sub>3</sub> BO <sub>3</sub> )", Solid State Ionics 47 (1991) pp. 257-264.
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/Gregg Cantelmo/		Date Considered
		09/14/2006

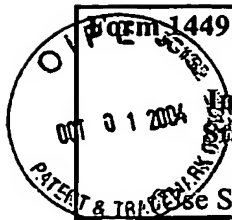
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GC	C14	Aono, et al., "Ionic Conductivity of $\beta$ -Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> Type Li <sub>3</sub> Cr <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Based Electrolyte", Chemistry Letters, 1993, pp. 2033-2036.
	C15	Aono, et al., "Ionic Conductivity of LiTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Mixed with Lithium Salts", Chemistry Letters, 1990, pp. 331-334.
	C16	Fu, Jie, "Superionic conductivity of glass-ceramics in the system Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -TiO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> ", Solid State Ionics, 96 (1997), pp.195-200.
	C17	Fu, Jie, "Fast Li <sup>+</sup> ion conducting glass-ceramics in the system Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> " Solid State Ionics 104 (1997), pp. 191-194.
	C18	Aono, et al., "DC Conductivity of Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> " Ceramic with Li Electrodes", Chemistry Letters, 1991, pp. 1567-1570.
↓	C19	Aono, et al., "Electrical Properties of Sintered Lithium Titanium Phosphate Ceramics (Li <sub>1+x</sub> M <sub>x</sub> Ti <sub>2-x</sub> PO <sub>4</sub> ) <sub>3</sub> , M <sup>3+</sup> =Al <sup>3+</sup> , Sc <sup>3+</sup> , or Y <sup>3+</sup> )", Chemistry Letters, 1990, pp. 1825-1828.
GC	C20	Button, et al., "Structural disorder and enhanced ion transport in amorphous conductors", Solid State Ionics, Vols. 9-10, Part 1, December 1983, pp. 585-592 (abstract)
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#### U.S. Patent Documents

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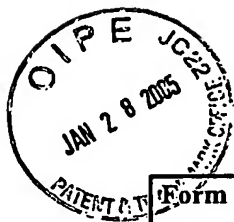
#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No

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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC	C1	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14, June 22-27, 2003, Monterey, CA. (conference poster).
GC	C2	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14 Conference, Monterey, CA., June 22, 2003, Abstract of Poster.
Examiner		Date Considered
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#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
GC	A	2002/0012846	01.31.02	Skotheim et al.			
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#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
GC	B	WO 99/57770	11.11.99	PCT				
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<b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	49 (Modified)	Atty Docket No. PLUSP027	Application No.: 10/686,189
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	Filing Date 10/14/03	Group 1745	

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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
GC	A1	2002/0034688	03.21.02	Chu et al.			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
GC	B1	EP 1 162 675 A2	12.12.2001	European				
↓	B2	WO 02/50933 A2	27.06.2002	PCT				
	B3	WO 02/50933 A3	27.06.2002	PCT				
GC	B4	EP 0 838 441 A3	16.09.1998	European				

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC	C1	International Search Report dated October 18, 2005 from related International Application No. PCT/US2004/033372. [PLUSP039]
Examiner /Gregg Cantelmo/		Date Considered 09/14/2006

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Information Disclosure  
Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.

PLUSP027

Applicant:

Visco et al.

Filing Date

10/14/03

Application No.:

10/686,189

Group

1745

## U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date

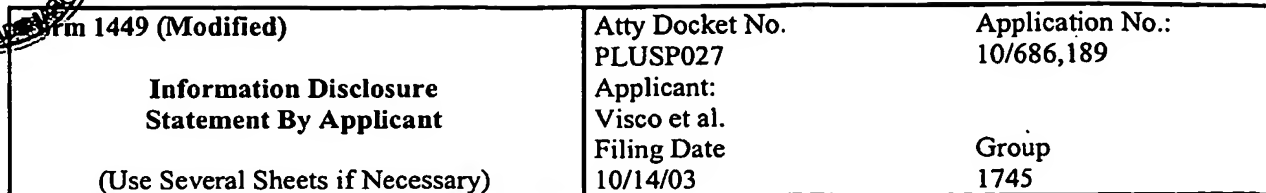
## Foreign Patent or Published Foreign Patent Application

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							Yes	No

## Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC	C1	Will, et al., "Primary Sodium Batteries with Beta-Alumina Solid Electrolyte", J. Electrochemical Science and Technology, April 1975, Vol. 122, No. 4, pages 457-461.
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Examiner Initial		No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC		C1	European Examination Report dated March 21, 2006 from related European Application No. 03809186.4. (PLUSP027EP)
Examiner		/Gregg Cantelmo/	
		Date Considered	09/14/2006

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## U.S. Patent Documents

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### **Foreign Patent or Published Foreign Patent Application**

[illegible]

## Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC	C1	International Search Report dated March 6, 2006 from International Application No. PCT/US2004/033371. (PLUSP040WO)
Examiner	/Gregg Cantelmo/	Date Considered 09/14/2006

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GC	A1	6,911,280 B1	06.28.05	De Jonghe et al.			
GC	A2	6,030,720	02.2000	Chu et al.			

**Foreign Patent or Published Foreign Patent Application**

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							Yes	No

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC	C1	West, et al., "Chemical stability enhancement of lithium conducting solid electrolyte plates using sputtered LiPON thin films," Journal of Power Sources, Volume 126, Issues 1-2, Pages 1-272 (16 February 2004)
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GC	A1	6,358,651	03.19.02	Chen et al.			
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	A3	4,414,293	11.08.83	Joy et al.			
	A4	5,166,011	11.24.92	Rao et al.			
	A5	6,228,527	05.08.01	Medeiros et al.			
GC	A6	2001/041294 A1	11.15.01	Chu et al.			

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							Yes	No
GC	B1	2005/038962 A2	28.04.05	PCT				
GC	B2	2005/038953 A2	28.04.05	PCT				

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
GC	C1	International Search Report dated March 6, 2006 from International Application No. PCT/US2004/033424. (PLUSP036WO)
GC	C2	Galbraith, A.D., "The lithium-water-air battery for automotive propulsion," XP002355800, Symp. Int. Veh. Electr., [RAPP.], 4 <sup>th</sup> , Vol. 1, Paper 32.4, 23 pp. publisher: Electr. Veh. Counc., 1976, Chemical Abstract Service
Examiner		Date Considered
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